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**Cheilanthes viscida**, n. sp.—Roots tufted; stipes 2' to 4' long, very dark brown, densely clothed at the base with light brown, narrowly lanceolate or linear, long-pointed, entire scales, and with a few scattered, small, thin scales, or none, above, glandularly rough; fronds light green, 3' to 5' long,  $\frac{3}{4}$ ' to 1' broad, lanceolate, 2 to 3 pinnate, covered, especially beneath, on the rachis and upper part of main stalk, with *distinct, sticky, resinous glands*; pinnæ deltoid, short-stalked, lowest pair distant; pinnules ovate-lanceolate or oblong, basal one sub-sessile, lower series longest and sub-pinnate or deeply pinnatifid, upper series pinnatifid, cut down into narrow oblanceolate divisions, decurrent on the broadly-winged rachis, the segments again cut into 3 to 5 lobes, the recurved tips forming distinct involucre.

Hab. California, clefts of rocks?

First collected by Mr. J. G. Lemmon on the White Water Canyon in the Colorado Desert, afterward at Downieville Buttes (Mr. Lemmon), and later, April, 1876, on the eastern (desert) slope of the Sierra Nevada, near San Gorgorio Pass, by Dr. Parry and Mr. Lemmon (No. 427, Flora Southern California).

The species appears intermediate between *C. vestita*, Swartz, and *C. Cooperæ*, Eaton, but the former differs from it in its larger size, its hairiness, and the total absence of glands; while the latter may be readily distinguished by the darker scales at the base of the stipes, its broader, less divided fronds, more obtuse divisions, and especially by its very *distinct glandular-tipped hairs*. The species will be figured in an early number of the *Illustrations of the Ferns of North America*, noticed in the August No. of the BULLETIN, p. 169.

BOSTON, July, 1877.

GEO. E. DAVENPORT.

§ 202. **Publications.**—I. *Notes on Botrychium simplex*, Hitch., by Geo. E. Davenport: This monograph will delight all who enjoy a work thoroughly well done, both in the treatment of the subject and the typographical investment. Prof. John Robinson, of Salem, Mass., has had printed but a very small private edition, at the low price of one dollar, including postage, and we advise all lovers of ferns to apply for it without delay, as we confidently predict that in a short time it will only be procurable for its weight in silver at least. Size, 10x12 inches; pages, 22; elegantly printed on heavy plate paper. It is now clear from Mr. Davenport's investigations that Prof. Hitchcock's original drawing represents a distinct species, but that his description was made partly from immature specimens of this or perhaps some allied species. The object of Mr. Davenport was to determine "some external character by which the species may be distinguished from the other small Botrychiums." He finds this in "the presence of two stalked divisions, approximate to the rhizoma, in precisely the same manner as in *B. ternatum*." In two plates, drawn by Emerton after tracings made by Mr. Davenport from the specimens themselves and engraved by the heliotype process, he has illustrated the forms from nearly every known locality. The first plate, with the exception of three of Hitchcock's dubious specimens, represents the true *B. simplex*; the second, the forms which have been mistaken for it. There are in all about 50 figures. The comparison of Mr. Miller's fine mature specimen with his im-

mature ones is very suggestive. In doubtful cases Mr. Davenport finds with Milde that the size and marking of the spores is quite decisive. Mr. Davenport, in his examination of this genus, has arrived at other valuable results, some of which we hope to present in the next No.—2. *Botanical Gazette*: The January No., the first of Vol. III., will appear about the middle of December. Contributions have been promised by many botanists of distinction, and, when needful, the leading articles will be illustrated. In the September No. is a note on the natural grafting of *Carpinus Americana* on *Fagus ferruginea*. "The trees had started close together and had coalesced, their bark had become continuous, and below, where they fork, it is impossible to tell which is which." We have noticed a similar case on Bergen Point, N. J., a young *Carpinus* apparently growing out from the trunk of a *Fagus*, not far above the ground.

§ 203. **Oswego Plants.**—Last summer I found in "Lily Marsh," nine miles east of this city, in great quantity, an orchid, *Listera australis*, Lindl., new to our State and not before found north of New Jersey. In the same locality abounds the Spruce parasite, *Arceuthobium pusillum*, Peck, *A. minutum*, Englm., and *Habenaria leucophaea*, Gray, the latter only found hitherto, in New York, by Mr. Hankensen, in the near Wayne Co. I found there also *Spiranthes Romanzoviana*, Chamisso, and *Pogonia verticillata*, Nutt.

*Pogonia pendula*, Lindl., grows abundantly in the woods north-east of the romantic Round Lake, near Fayetteville, Onondaga Co. *Cypripedium spectabile*, Swartz, is very common in the swamp, belonging to Thomas Kingsford, next to the City limits. *Rhyncospora macrostachya*, Torr., I found five miles south-west of the City, on the border of Mud Lake—so far from the Atlantic!

J. HERMAN WIBBE, PH. DR.

ST. PETER'S CHURCH, OSWEGO.

§ 204. **Shortia.**—Dr. Gray believes in *Shortia*, but yet did not find it. We shall have to send a Dr. fresher from New York.

§ 205. **Obituary.**—Many of our readers will be shocked to hear of the sudden death of that most genial botanist, Mr. Henry D. Keeler, formerly of Mayport, Fla. About a year since, he removed to this city, having been offered a very eligible position. In August last he was devoting his vacation to a sort of botanical trip up the Connecticut valley. He had reached Branford Point, Conn., when he was taken suddenly and violently ill during the night, and, notwithstanding the best medical attendance and most careful nursing, lingered but a few days. His disease was paralysis of the bowels. He was in the 29th year of his age.

§ 206. **ERRATUM.**—§ 190, *Gentiana Andrewsii*, four lines from end, for "but" read "not".

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**Terms**—One Dollar per annum beginning with the January number. For the *Botanical Directory* 30 cents. Supplement to *Directory*, 10 cents. Vols. I.-V., with index, and photograph of Dr. Torrey, \$3.75. Copies of Constitution and By-Laws of the Club, 25 cents. Address, WM. H. LEGGETT, 54, East 81st Street, New York. Money Orders on Station K, P. O., N. Y. All subscriptions or orders filled only on receipt of the money.

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The Club meets regularly the last Tuesday of the month in the Herbarium, Columbia College, at 7:30 P. M. Botanists are invited to attend. DR. THURBER, the President of the Club, may be found at 245 Broadway.